

B-particle organization

Many measurements of B decays involve admixtures of B hadrons. Previously we arbitrarily included such admixtures in the B^\pm section, but because of their importance we have created two new sections: “ B^\pm/B^0 Admixture” for $\Upsilon(4S)$ results and “ $B^\pm/B^0/B_s^0/b$ -baryon Admixture” for results at higher energies. Most inclusive decay branching fractions and χ_b at high energy are found in the Admixture sections. $B^0-\bar{B}^0$ mixing data are found in the B^0 section, while $B_s^0-\bar{B}_s^0$ mixing data and $B-\bar{B}$ mixing data for a B^0/B_s^0 admixture are found in the B_s^0 section. CP -violation data are found in the B^\pm , B^0 , and $B^\pm B^0$ Admixture sections. b -baryons are found near the end of the Baryon section. Recently, we also created a new section: “ V_{cb} and V_{ub} CKM Matrix Elements.”

The organization of the B sections is now as follows, where bullets indicate particle sections and brackets indicate reviews.

[Production and Decay of b -flavored Hadrons]

[A Short Note on HFAG Activities]

- B^\pm

- mass, mean life
- branching fractions
- polarization in B^\pm decay
- CP violation

- B^0

- mass, mean life
- branching fractions
- [Polarization in B decay]
- polarization in B^0 decay
- [$B-\bar{B}$ Mixing]
- $B^0-\bar{B}^0$ mixing
- CP violation

- $B^\pm B^0$ Admixture

- branching fractions, CP violation
- CP violation

- $B^\pm/B^0/B_s^0/b$ -baryon Admixture

- mean life
- production fractions
- branching fractions
- χ_b at high energy

- V_{cb} and V_{ub} CKM Matrix Elements

- [Determination of V_{cb} and V_{ub}]

- B^*
mass
- $B_J^*(5732)$
mass, width
- B_s^0
mass, mean life
branching fractions
polarization in B_s^0 decay
 B_s^0 - \bar{B}_s^0 mixing
- B_s^*
mass
- $B_{sJ}^*(5850)$
mass, width
- B_c^\pm
mass, mean life
branching fractions

At end of Baryon Listings:

- Λ_b
mass, mean life
branching fractions
 - Ξ_b^0, Ξ_b^-
mean life
 - b -baryon Admixture
mean life
branching fractions
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